Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/25/2019 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124315	-1	2.38	124365	2.38
Blue	F	SSC	125000	123542	-2	4.06	124441	3.97
Blue	E	FITC	16694	16446	-2	3.99	383	23.08
Blue	D	PE	32792	32307	-2	3.27	715	16.40
Blue	B	PerCP-Cy5-5	44451	44418	-1	4.83	1217	24.01
Blue	A	PE-Cy7	33645	33833	0	7.35	616	49.18
Red	C	APC	47008	46464	-2	3.16	1801	13.89
Red	A	APC-Cy7	32298	31923	-2	2.97	800	14.49
Violet	B	V450	8961	8609	-4	4.75	499	16.70
Violet	A	V500	32726	31411	-5	4.41	763	12.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20329	4.19	609	-4	N/A	N/A	Pass
Blue	F	SSC	55804	3.45	579	11	N/A	N/A	Pass
Blue	E	FITC	64	79.30	566	3	0.0145	240	Pass
Blue	D	PE	141	59.30	570	4	0.1396	345	Pass
Blue	B	PerCP-Cy5-5	224	60.29	677	6	0.0068	99	Pass
Blue	A	PE-Cy7	120	128.13	732	6	0.0087	43	Pass
Red	C	APC	410	29.12	616	3	0.0174	74	Pass
Red	A	APC-Cy7	196	33.15	588	3	0.0044	1236	Pass
Violet	B	V450	78	76.25	480	-6	0.0293	2350	Pass
Violet	A	V500	109	51.97	490	-6	0.0189	2877	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/25/2019 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-32.03	1.13
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	15.79	13.60 - 20.40	N/A	N/A	29.13	29.56	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10094

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments